

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/074,384	LIONGOSARI ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Aaron M. Richer	2676	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed June 7, 2005.
2. ☒ The allowed claim(s) is/are 48-71 and 82-92.
3. ☒ The drawings filed on 12 February 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                       |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|   | 9. <input type="checkbox"/> Other _____.  |

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Sanders Hillis on August 18, 2005.

**In the claims:**

Cancel claims 38-47 and 72-81.

**DETAILED ACTION*****Response to Arguments***

1. Applicant's election with traverse of Group II in the reply filed on June 7, 2005 is acknowledged. The traversal is on the ground(s) that the restriction was not proper because both groups of claims are classified in the same subclass. Applicant further argues that the groups do not have separate status in the art and do not require separate search. This is not found persuasive because the invention defined by independent claims 38 and 72 and the invention defined by independent claim 48 were drawn to different subject matter, which would require separate search. The invention defined by independent claims 38 and 72, for instance, requires a search for selecting a focus data element, but not categorizing elements. Conversely, independent claim 48 requires a search for categorizing elements, but not selecting a focus data element.

The requirement is still deemed proper and is therefore made FINAL.

2. Claims 38-47 and 72-81 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on June 7, 2005.

***Allowable Subject Matter***

3. Claims 48-71 and 82-92 are allowed.

4. As to claims 48, 59, and 66, Levin discloses a method for displaying data element indicia representative of a plurality of data elements that are interrelated by a plurality of relationships, the method comprising:

displaying on the display a plurality of visibly separated regions, wherein each of the regions is defined by region indicia and is representative of a different one of a plurality of corresponding data types that are interrelated within a predefined subject area, wherein each of the data types is a descriptive category that is displayed in one of the regions (fig. 1; col. 6, lines 11-27; elements are categorized by their site location, which corresponds to a descriptive data type, while links join interrelated sites);

categorization of a plurality of unassociated data elements to be included in the regions based on one of the data types being associated with each of the data elements, wherein categorization is based on the descriptive category that describes the content or subject matter of the data elements (fig. 1; col. 6, lines 11-27; elements are categorized by their site location, which corresponds to a data type);

displaying on the display a plurality of data element indicia positioned in the regions, wherein each indicium of the data element indicia is representative of a data element that is categorized to be displayed in the corresponding region (col. 6, lines 23-36);

Neither Levin nor any other reference in combination with Levin discloses displaying on the display a relationship *only* between data element indicia positioned in different regions, wherein each indicium of the data element indicia is representative of a data element that is categorized. Other references, such as Kokubo (U.S. Patent 5,956,688), seem to only allow relationships between indicia positioned in different regions, although this is not explicitly stated (fig. 6-

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8b). However, such relationships are defined by a user for the purpose of storage in a register (col. 8, lines 46-65) and there is nothing in the reference related to categorization of elements. Further, there is nothing in the Kokubo reference to motivate the combination of allowing relationships only between indicia in different regions with the elements of claim 48 disclosed by Levin.

5. The following is an examiner's statement of reasons for allowance:

6. As to claims 48, 59, and 66, the prior art does not anticipate or suggest the limitation of "displaying on the display a relationship only between data element indicia positioned in different regions" with the other limitations of claims 48, 59, and 66.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

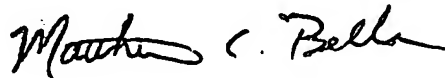
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron M. Richer whose telephone number is (571) 272-7790. The examiner can normally be reached on weekdays from 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on (571) 272-7778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AMR  
8/16/05



MATTHEW C. BELLA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600